

110TH CONGRESS  
1ST SESSION

# H. R. 462

To request a study by the Federal Communications Commission on the interference caused by broadband internet transmission over power lines.

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## IN THE HOUSE OF REPRESENTATIVES

JANUARY 12, 2007

Mr. ROSS introduced the following bill; which was referred to the Committee on Energy and Commerce

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## A BILL

To request a study by the Federal Communications Commission on the interference caused by broadband internet transmission over power lines.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “Emergency Amateur  
5       Radio Interference Protection Act of 2007”.

6       **SEC. 2. COMPREHENSIVE BPL SERVICE STUDY LEADING TO**  
7                       **IMPROVED RULES TO PREVENT INTER-**  
8                       **FERENCE.**

9       (a) **AUTHORITY.**—Within 90 days after the date of  
10       enactment of this Act, the Federal Communications Com-

1 mission shall conduct, and submit to the Committee on  
2 Energy and Commerce of the House of Representatives  
3 and the Committee on Commerce, Science, and Transpor-  
4 tation of the Senate, a report on a study of the inter-  
5 ference potential of systems for the transmission of  
6 broadband Internet services over power lines (in this Act  
7 referred to as “BPL service”).

8 (b) REQUIRED SUBJECTS OF STUDY.—The study re-  
9 quired by this section shall examine the following:

10 (1) The variation of field strength of BPL serv-  
11 ice signals with distance from overhead power lines,  
12 and a technical justification for the use of any par-  
13 ticular distance extrapolation factor.

14 (2) The depth of adaptive, or “notch”, filtering  
15 for attenuating normally permitted BPL service ra-  
16 diated emission levels that would be necessary and  
17 sufficient to protect the reliability of mobile radio  
18 communications.

19 (3) A technical justification for the permitted,  
20 radiated emission levels of BPL signals relative to  
21 ambient levels of man-made noise from other  
22 sources.

23 (4) Options for new or improved rules related  
24 to the transmission of BPL service that, if imple-

- 1       mented, may prevent harmful interference to public
- 2       safety and other radio communications systems.

